

Oundle and Thrapston Rural
District Council.

ANNUAL REPORT

of the

Medical Officer of Health

for the

Year 1950,

together with the Report of the

Sanitary Officers

A. McINNES, M.B., Ch.B., D.P.H.

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INDEX.

	<i>Page.</i>
Ambulance Facilities	7
Amenities	5
Area	5
Births	5
Byelaws—Food	19
Census	5
Cleansing—Public	13 to 14
Deaths... ..	6
Diphtheria Anti-Toxin	6
Diphtheria Immunisation	23
Drainage and Sewerage	13
Factories Act, 1937	15 to 16
Food Adulteration	19
Food and Drugs Act	18
Food Byelaws	19
Food Inspection	19
Food Poisoning	19
Food—Supervision of Food Premises	18
Health Services—General Provisions of	6
Hospitals	7
Housing	17
Housing—Improvements	17
Ice-cream	18
Illegitimate Births	6
Infant Mortality	6
Infectious Diseases	19
Infestation	15
Laboratory Facilities	6
Maternal Mortality	5 to 6
Measles	19
Meat Inspection	18
Milk Examination	18
Milk and Dairies Regulations	18
Moveable Buildings	15
National Assistance Act	7
Natural and Social Conditions	5
Notifiable Diseases	22 to 23
Nursing in the Home	6
Outworkers	15
Overcrowding... ..	17
Pasteurised Milk	18
Poliomyelitis	20
Population	5
Refuse Disposal	14
Sanitary Officers	3
Sanitary Circumstances	7
Scarlet Fever	19
Schools	15
Sewerage	13
Shops and Offices	15
Statistical Tables	21 to 22
Swimming Baths	15
Tuberculosis	24
Vermin	15
Water Supply	7 to 11
Whooping Cough	19

Oundle and Thrapston Rural District Council.

<i>Chairman of the Council</i>	...	...	...	...	A. FLETTON, ESQ.
<i>Vice-Chairman of the Council</i>	...	...	...	...	W. WOODIN, ESQ.
<i>Chairman, Public Health Committee</i>	...	...	...	...	L. BAXTER, ESQ.
<i>Vice-Chairman, Public Health Committee</i>	R. H. WARD, ESQ.

<i>Clerk of the Council</i>	H. H. HASSALL
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PUBLIC HEALTH OFFICERS.

<i>Medical Officer of Health</i>	A. McINNES, M.B., Ch.B., D.P.H.
<i>Sanitary Officers (Northern Area)</i>	...	S. PARGETER, C.R.S.I.	
<i>(Southern Area)</i>	...	B. LEWIS, M.R.S.I., A.I.Hsg.	

<i>Surveyor</i>	F. T. JENNINGS, A.I.A.S.
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COUNCIL OFFICES,
THRAPSTON,
KETTERING.

July, 1951.

MR. CHAIRMAN,

The Annual Report for the Area is given herewith.

In a District of small population, yearly statistical figures can be very misleading. Nevertheless, with this admonition, comparative figures of the last 10-15 years in this district have been very satisfactory.

I am indebted to the Sanitary Inspectors for much of the substance of this Report, and its form is chiefly theirs.

A. McINNES,

Medical Officer of Health.

SECTION A.

SOCIAL CONDITIONS OF THE AREA AND STATISTICS.

Area in Acres	107,337
Population (Registrar General's figures)	18,400
Number of Dwellings	5,607
Rateable Value	£66,496
Product of a Penny Rate	£254

Live Births.	<i>Total</i>	<i>Male.</i>	<i>Female.</i>
Legitimate	314	151	163
Illegitimate	29	16	13
	<hr/> 343	<hr/> 167	<hr/> 176

Rate per 1,000 Population	20.7
Rate per 1,000 Population (England and Wales)	15.80

The actual birth rate in this district is 18.64 per thousand population. In order to compare this rate with the birth rate for the whole country, the Registrar-General has given a comparability factor for the area which is 1.11. Thus the Standard birth rate is 18.64×1.11 , which is 20.7.

Still Births.

A "stillbirth" is defined—"still birth and stillborn shall apply to any child which has issued forth from its mother after the 28th week of pregnancy which did not at any time after being completely expelled from its mother breathe or show any other signs of life."

	<i>Total.</i>	<i>Male.</i>	<i>Female.</i>
Legitimate	5	3	2
Illegitimate	2	2	—
	<hr/> 7	<hr/> 5	<hr/> 2

Rate per 1,000 Population	0.38
Rate per 1,000 Population (England and Wales)	0.37

Deaths (All Causes).	<i>Total.</i>	<i>Male.</i>	<i>Female.</i>
	229	121	108

Death Rate per 1,000 Population	12.4
Death Rate per 1,000 Population (England and Wales)	11.6

The death rate comparability factor for the district is 0.87. When the "crude" death rate is multiplied by this factor the result is the standard death rate, which is a rate comparable with the rate for the whole of the country. The standard death rate was thus 12.4×0.87 , which is 10.8 per thousand population, that for the whole of the country being 11.6.

Infant Mortality.

Oundle and Thrapston Rural District ...	32.0 per 1,000 live births.
England and Wales	29.8 per 1,000 live births.

COMPARATIVE TABLES.

Death Rates.

				OUNDL E AND THRAPSTON.	ENGLAND AND WALES.		NORTHAMPTON- SHIRE.
1946	...	...	...	12.80	...	11.50	12.00
1947	...	...	...	12.26	...	12.00	12.43
1948	...	...	...	9.28	...	10.80	11.00
1949	...	...	...	11.81	...	11.70	12.07
1950	...	...	...	10.90	...	11.60	—

Birth Rates.

1946	...	...	...	17.50	...	19.10	19.17
1947	...	...	...	21.08	...	20.50	20.42
1948	...	...	...	17.51	...	17.90	17.46
1949	...	...	...	18.03	...	16.70	16.19
1950	...	...	...	18.64	...	15.80	—

Illegitimate Births.

There were 31 Illegitimate births assigned to the District in 1950 (18 males, 13 females). Of this total, 2 were stillbirths.

Infant Mortality.

The number of infants who died before reaching their first birthday was 5 males and 6 females.

One death was attributed to pregnancy, child-birth or abortion, and in this particular case, death was due to toxæmia of pregnancy.

SECTION B.

GENERAL HEALTH SERVICES.

(a) Laboratory Facilities.

The Public Health Laboratory Service, Northampton, examines material submitted by general practitioners in the Area, and also carries out the bacteriological examination of water and other samples submitted from this district by the Sanitary Officers.

It also carries out all examinations of milk samples by the Methylene Blue and Phosphatase Tests.

Chemical analyses of water supplies and presumptive B.Coli tests are carried out by the Public Analyst, Cambridge.

(b) Diphtheria Anti-Toxin.

A supply of anti-toxin is kept at the Council Offices at Oundle and Thrapston, the Rushden Sanatorium, Doddington Road Hospital Wel-
lingborough, and Thrapston Police Station.

(c) Nursing in the Home.

The arrangements are as follows :—

<i>Villages.</i>	<i>Telephone Number</i>
Apethorpe, King's Cliffe, Nassington, Woodnewton, Yarwell ...	King's Cliffe 237
Aldwinckle, Clapton, Lilford, Lowick, Pilton, Thorpe Achurch, Titchmarsh, Wadenhoe	Clapton 22
Ashton, Barnwell, Benefield, Cotterstock, Fotheringhay, Glap- thorn, Hemington, Luddington, Luton, Polebrooke, South- wick, Stoke Doyle, Tansor, Thurning, Warmington	Oundle 3196
Brigstock, Sudborough	Brigstock 258
Bulwick, Blatherwycke, Deene, Deenethorpe, Fineshade, Har- ringworth, Laxton, Wakerley	Bulwick 207
Collyweston, Duddington, Easton-on-the-Hill	Stamford 2271
Chelveston	Rushden 2810
Hargrave	Raunds 43
Denford, Great Addington, Islip, Little Addington, Ringstead, Slipton, Thrapston, Twywell, Woodford	Thrapston 57.

(d) Ambulances.

The scheme of ambulance services now available under the National Health Service Act is :—

Islip Ambulance.—Aldwinckle, Clapton, Denford, Islip, Lowick, Sudborough, Slipton, Thrapston, Titchmarsh, Thorpe, Twywell, Woodford.

Oundle Ambulance.—Ashton, Apethorpe, Barnwell, Benefield, Cotterstock, Fotheringhay, Glapthorn, Hemington, King's Cliffe, Lilford, Luddington, Lutton, Nassington, Pilton, Polebrooke, Southwick, Stoke Doyle, Tansor, Thurning, Wadenhoe, Warmington, Woodnewton, Yarwell.

Higham Ferrers Ambulance.—Chelveston-cum-Caldecott.

Irthlingborough Ambulance.—Great Addington, Little Addington.

Weldon Ambulance.—Blatherwycke, Brigstock, Bulwick, Deene, Deene-thorpe, Fineshade, Harringworth, Laxton, Wakerley.

Raunds Ambulance.—Hargrave, Ringstead.

Reciprocal arrangements have been made with Kesteven County Council to supply from Stamford the villages of Easton-on-the-Hill, Collyweston and Duddington.

Ambulances for Infectious Diseases.

Ambulances for the removal of infectious disease cases during 1950 were stationed at Harborough Road Hospital, Northampton.

The Northampton Isolation Hospital is now the only one remaining open to serve this area, but an arrangement is in force whereby the Peterborough Ambulance serves the Northern Parishes.

(e) National Assistance Act, 1948.

Section 47 of this Act, which came into operation on July 5th, 1948, confers on all Sanitary Authorities the power to remove to a suitable hospital or other place, persons who :—

(a) are suffering from grave chronic disease, or, being aged, infirm or physically incapacitated, are living in insanitary conditions ; and

(b) are unable to devote to themselves, and are not receiving from other persons, proper care and attention.

No formal action under this Act was required to be taken during the year 1950.

Under Section 50 of the Act, the Council are responsible for the burial of persons, where no other arrangements have been made. Two such cases occurred during the year.

SECTION C.

SANITARY CIRCUMSTANCES OF THE DISTRICT.

Water Supply.

The Regional No. 1 Scheme at Woodford now supplies 15 parishes with main water, and the No. 2 Scheme at Barnwell supplies 11 parishes. Brigstock is supplied from a well in the parish. The villages of Islip, Lowick, Benefield, Apethorpe, King's Cliffe and Ashton have non-public supplies.

A new scheme is at present under construction to provide main water at Cotterstock (102), Fotheringhay (184), Glapthorn (252), Nassington (522), Southwick (161), Tansor (144), Woodnewton (236), and Yarwell (212). Tenders have been invited for the construction of further schemes in the villages of Slipton, Lowick, Sudborough, Benefield and Duddington.

Considerable progress has been made by the Council towards providing main water supplies for every parish in the district.

The Council are ensuring that, where new mains are laid, every occupied dwelling without a satisfactory water supply, and to which the main is available, shall connect to the main supply.

During the year 111 samples of water were submitted for chemical and bacteriological examination.

The results of these examinations are as shown in the following tables :—

The following analysis reports are given :—

RINGSTEAD WATER SUPPLY.

Sample of Water labelled "Main Water Supply, Ringstead" received on the 15th November, 1950, from Oundle and Thrapston Rural District Council.

Physical Characters	...	...	...	...	...	Good
Reaction	...	...	...	...	...	pH 7.1
The sample contained :						Parts per 100,000
Chlorine	...	...	...	...	...	8.05
Ammonia (Free and Saline)	...	...	...	...	...	0.0040
Ammonia (Albuminoid)	...	...	...	...	...	0.0062
Oxygen absorbed in 3 hrs. at 37°C.	...	...	...	...	...	0.0464
Nitrates (expressed as Nitrogen)	...	...	...	...	...	0.20
Nitrites	...	...	...	...	...	absent
Poisonous Metals	...	...	...	...	...	absent

BACTERIOLOGICAL EXAMINATION.

Coliform organisms absent in 100 mls.

Number of micro-organisms per ml. developing on Agar at 37° C.=*nil*

Number of micro-organisms per ml. developing on Agar at 21° C.=*nil*

MICROSCOPICAL EXAMINATION OF DEPOSIT.

None.

TOTAL HARDNESS.—23.88 degrees (grains per gallon).

INFERENCE.—The results obtained on the analysis of this sample do not show any evidences of pollution with harmful organic or inorganic matter.

I am of opinion that this water is fit for drinking purposes.

S. GREENBURGH.

20th November, 1950.

Public Analyst.

BARNWELL WATER SUPPLY.

Sample of Water labelled "Regional Supply No. 2, taken at Barnwell" received on the 5th December, 1950, from Oundle and Thrapston Rural District Council.

Physical Characters	...	...	...	...	...	Good
Reaction	...	...	...	...	...	pH 7.2
The sample contained :						Parts per 100,000
Chlorine	...	...	...	...	...	5.85
Ammonia (Free and Saline)	...	...	...	...	...	0.0038
Ammonia (Albuminoid)	...	...	...	...	...	0.0060
Oxygen absorbed in 3 hrs. at 37° C.	...	...	...	...	...	0.0494
Nitrates (expressed as Nitrogen)	...	...	...	...	...	0.10
Nitrites	...	...	...	...	...	absent
Poisonous Metals	...	...	...	...	...	absent

BACTERIOLOGICAL EXAMINATION.

Coliform organisms absent in 100 mls.

Number of micro-organisms per ml. developing on Agar at 37° C.=*nil*

Number of micro-organisms per ml. developing on Agar at 21° C.=*nil*

MICROSCOPICAL EXAMINATION OF DEPOSIT.

None.

TOTAL HARDNESS.—21.88 degrees (grains per gallon).

INFERENCE.—The results obtained on the analysis of this sample do not show any evidences of pollution with harmful organic or inorganic matter.

I am of opinion that this water is fit for drinking purposes.

S. GREENBURGH.

11th December, 1950.

Public Analyst.

Bacteriological Examination.

<i>Village.</i>	<i>Date.</i>		<i>Probable No. of Coliform Bacilli MacConkey 2 days 37° C.</i>	<i>Probable No. of Faecal Coli. MacConkey 2 days 44° C.</i>	<i>Remarks.</i>
ALDWINCLE	... 26. 6.50	...	0/100 c.c. ...	0/100 c.c. ...	Very Satisfactory
BRIGSTOCK	... 25. 1.50	...	2/100 c.c. ...	0/100 c.c. ...	Satisfactory
"	... 22. 5.50	...	6/100 c.c. ...	0/100 c.c. ...	Slightly suspicious count, but no evi- dence of faecal pollution
"	... 26. 6.50	...	2/100 c.c. ...	0/100 c.c. ...	Satisfactory
"	... 17. 7.50	...	0/100 c.c. ...	0/100 c.c. ...	Very Satisfactory
DENFORD ...	... 22. 2.50	...	250/100 c.c. ...	13/100 c.c. ...	Unsatisfactory water with evi- dence of faecal pollution
"	... 22. 5.50	...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	... 28. 8.50	...	8/100 c.c. ...	0/100 c.c. ...	Slightly suspicious count but no evi- dence of faecal pollution
"	... 30.10.50	...	35/100 c.c. ...	0/100 c.c. ...	Unsatisfactory count but no evi- dence of faecal pollution
"	... 8.12.50	...	4/100 c.c. ...	0/100 c.c. ...	Slightly suspicious count but no evi- dence of faecal pollution
"	... 12.12.50	...	2/100 c.c. ...	0/100 c.c. ...	Satisfactory
GT. ADDINGTON	... 22. 2.50	...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	... 27. 2.50	...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	... 1. 5.50	...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	... 15. 8.50	...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	... 1.11.50	...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	... 22.11.50	...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	... 8.12.50	...	350/100 c.c. ...	25/000 c.c. ...	Unsatisfactory water with evi- dence of faecal pollution
"	... 12.12.50	...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
LT. ADDINGTON	... 27. 3.50	...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	... 17. 7.50	...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	... 15. 8.50	...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	... 20.11.50	...	0/110 c.c. ...	0/100 c.c. ...	Very satisfactory
PILTON ...	... 20.12.50	...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
RINGSTEAD	... 22. 2.50	...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	... 28. 8.50	...	4/100 c.c. ...	0/100 c.c. ...	Slightly suspicious count but no evi- dence of faecal pollution
"	... 30.10.50	...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	... 12.12.50	...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	... 8.12.50	...	600/100 c.c. ...	17/100 c.c. ...	Unsatisfactory water with evi- dence of faecal pollution
THORPE ACHURCH	20.12.50	...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	20.12.50	...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
TITCHMARSH	... 4. 9.50	...	2/100 c.c. ...	0/100 c.c. ...	Satisfactory
THRAPSTON	... 16. 1.50	...	140/100 c.c. ...	0/100 c.c. ...	Unsatisfactory count but no evi- dence of faecal pollution
"	... 13. 2.50	...	900/100 c.c. ...	0/100 c.c. ...	Unsatisfactory count but no evi- dence of faecal pollution

<i>Village.</i>	<i>Date.</i>	<i>Probable No. of Coliform Bacilli MacConkey 2 days 37° C.</i>	<i>Probable No. of Faecal Coli. MacConkey 2 days 44° C.</i>	<i>Remarks.</i>
THRAPSTON	... 22. 2.50	... 80/100 c.c. ...	0/100 c.c. ...	Unsatisfactory count but no evidence of faecal pollution
"	... 9. 5.50	... 0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	... 22. 5.50	... 13/100 c.c. ...	0/100 c.c. ...	Suspicious count but no evidence of faecal pollution
"	... 26. 6.50	... 13/100 c.c. ...	0/100 c.c. ...	Suspicious count but no evidence of faecal pollution
"	... 15. 8.50	... 25/100 c.c. ...	0/100 c.c. ...	Unsatisfactory count but no evidence of faecal pollution
"	... 28. 8.50	... 25/100 c.c. ...	0/100 c.c. ...	Unsatisfactory count but no evidence of faecal pollution
"	... 4. 9.50	... 8/100 c.c. ...	0/100 c.c. ...	Suspicious count but no evidence of faecal pollution
"	... 19. 9.50	... 25/100 c.c. ...	0/100 c.c. ...	Unsatisfactory count but no evidence of faecal pollution
"	... 30.10.50	... 50/100 c.c. ...	0/100 c.c. ...	Unsatisfactory count but no evidence of faecal pollution
"	... 20.11.50	... 0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	... 12.12.50	... 0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
TWYWELL ...	... 13. 2.50	... 900/100 c.c. ...	35/100 c.c. ...	Very unsatisfactory water with evidence of faecal pollution
"	... 27. 3.50	... 0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	... 15. 8.50	... 0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	... 4. 9.50	... 0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	... 19. 9.50	... 0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
WADENHOE	... 26. 6.50	... 0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	... 20.12.50	... 35/100 c.c. ...	0/100 c.c. ...	Unsatisfactory count but no evidence of faecal pollution
WOODFORD	... 22. 2.50	... 0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	... 27. 3.50	... 0/100 c.c.s...	0/100 c.c. ...	Very satisfactory
"	... 1. 5.50	... 0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	... 9. 5.50	... 2/100 c.c. ...	0/100 c.c. ...	Satisfactory
"	... 17. 7.50	... 0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	... 15. 8.50	... 0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	... 4. 9.50	... 13/100 c.c. ...	0/100 c.c. ...	Suspicious count but no evidence of faecal pollution
"	... 19. 9.50	... 0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	... 20.11.50	... 0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
"	... 11 1 50	... 0/100 c.c. ...	0/100c.c. ...	Very Satisfactory
"	... 15. 2.50	... 900/100 c.c. ...	350/100 c.c. ...	Very unsatisfactory water with evidence of faecal pollution

<i>Date.</i>	<i>Probable number of Coliform Bacilli MacConkey 2 days 37° C.</i>		<i>Probable No. of Faecal Coli. MacConkey 2 days 44° C.</i>	<i>Remarks.</i>
22. 2.50 ...	0/100 c.c. ...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
1. 3.50 ...	0/100 c.c. ...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
29. 3.50 ...	0/100 c.c. ...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
5. 4.50 ...	0/100 c.c. ...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
10. 5.50 ...	0/100 c.c. ...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
7. 6.50 ...	0/100 c.c. ...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
5. 7.50 ...	5/100 c.c. ...	0/100 c.c. ...	0/100 c.c. ...	Slightly suspicious count but no evi- dence of faecal pollution
12. 7.50 ...	0/100 c.c. ...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
10. 8.50 ...	0/100 c.c. ...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
13. 9.50 ...	2/100 c.c. ...	0/100 c.c. ...	0/100 c.c. ...	Satisfactory
2.10.50 ...	13/100 c.c. ...	0/100 c.c. ...	0/100 c.c. ...	Suspicious count but no evidence of faecal pollu- tion
13. 9.50 ...	2/100 c.c. ...	0/100 c.c. ...	0/100 c.c. ...	Satisfactory
6.10.50 ...	2/100 c.c. ...	0/100 c.c. ...	0/100 c.c. ...	Satisfactory
18.10.50 ...	0/100 c.c. ...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
17.11.50 ...	0/100 c.c. ...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory

<i>Date.</i>	<i>Supply.</i>	<i>Probable No. of Coliform Bacilli MacConkey 2 days 37° C.</i>		<i>Probable No. of Faecal Coli. MacConkey 2 days 44° C.</i>	<i>Remarks.</i>
14. 6.50 ...	APETHORPE	...	0/100 c.c. ...	0/00 c.c. ...	Very satisfactory
7. 6.50 ...	ASHTON	...	2/100 c.c. ...	0/100 c.c. ...	Satisfactory
2. 6.50 ...	BENEFIELD	...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
17. 5.50 ...	DUDDINGTON	...	2/100 c.c. ...	0/100 c.c. ...	Satisfactory
13. 12.50 ...	„	...	8/100 c.c. ...	0/100 c.c. ...	Slightly suspici- ous count but no evidence of faecal pollution
24. 5.50 ...	NASSINGTON	...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
25.10.50 ...	SOUTHWICK	...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
10. 8.50 ...	WARMINGTON	...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory
21.12.50 ...	YARWELL	...	0/100 c.c. ...	0/100 c.c. ...	Very satisfactory

DETAILS OF WATER SUPPLIES TO INDIVIDUAL HOUSES.

(SOUTHERN AREA).

PARISH.	Total No. of Houses.	Internal Supplies.			External Supplies.			
		Main.	Pump.	Gravity	Main Stand Pipe	Gravity Stand Pipe	Well	Rain Water
Aldwincle ...	108	53	3	—	42	—	10	—
Brigstock ...	340	202	7	2	116	1	12	—
Chelveston ...	110	18	4	—	36	—	52	—
Clapton ...	40	24	—	—	5	—	11	—
Denford ...	103	36	1	—	57	—	9	—
Great Addington ...	91	39	2	—	34	2	14	—
Hargrave ...	70	26	—	—	43	—	1	—
Islip ...	217	161	—	—	51	—	5	—
Lilford-cum - Wigsthorpe ...	40	28	—	—	9	—	3	—
Little Addington ...	86	41	1	—	42	—	2	—
Lowick ...	90	2	1	29	—	38	20	—
Luddington ...	21	6	—	—	14	—	1	—
Pilton ...	25	11	2	—	5	—	7	—
Ringstead ...	299	242	—	—	46	—	10	1
Slipton ...	23	—	1	2	—	13	7	—
Sudborough ...	64	—	8	19	—	33	2	2
Thorpe Achurch ...	51	24	—	—	23	—	4	—
Thrapston ...	612	374	10	—	214	—	14	—
Thurning ...	38	20	—	—	16	—	2	—
Titchmarsh... ..	209	91	4	—	94	—	19	1
Twywell ...	125	33	2	—	76	—	14	—
Wadenhoe ...	42	29	—	—	7	—	6	—
Woodford ...	436	317	1	4	109	—	5	—
TOTALS ...	3240	1977	47	56	1039	87	230	4

DETAILS OF WATER SUPPLIES TO INDIVIDUAL HOUSES.
(NORTHERN AREA).

PARISH.	Total No. of Houses	Supply inside House.			Supply outside House.			
		Main	Pump	Gravity	Well	Stand- pipe	Gravity	Rain water
Apethorpe ...	50	41	5	3	1	—	—	—
Ashton ...	52	41	5	—	5	1	—	—
Barnwell ...	139	94	—	—	15	30	—	—
Benefield ...	120	39	1	6	68	65	—	1
Blatherwycke ...	31	2	2	—	17	—	10	—
Bulwick ...	60	—	5	12	6	—	37	—
Collyweston ...	162	21	12	—	104	15	10	—
Cotterstock... ..	38	17	1	—	12	8	—	—
Deene ...	41	—	15	—	25	—	1	—
Deenethorpe ...	26	—	3	—	22	—	1	—
Duddington ...	80	3	9	—	55	13	—	—
Easton ...	254	1	14	—	41	198	—	—
Fineshade ...	16	—	1	1	9	—	5	—
Fotheringhay ...	58	—	20	—	38	—	—	—
Glaphorn ...	83	7	7	1	62	2	4	—
Harringworth ...	65	—	2	10	9	—	44	—
Hemington ...	30	11	—	—	—	19	—	—
King's Cliffe ...	298	125	9	—	3	154	7	—
Laxton ...	31	—	12	2	7	8	2	—
Lutton ...	47	30	1	—	2	14	—	—
Nassington ...	155	1	22	5	99	—	28	—
Polebrooke ...	94	59	3	—	1	31	—	—
Southwick ...	50	3	11	1	30	—	5	—
Stoke Doyle ...	27	16	4	—	2	5	—	—
Tansor ...	53	20	11	—	7	15	—	—
Wakerley ...	35	—	6	—	29	—	—	—
Warmington ...	178	119	3	—	10	46	—	—
Woodnewton ...	76	13	9	—	51	3	—	—
Yarwell ...	130	—	72	2	49	—	7	—
TOTALS	2479	663	265	43	719	627	161	1

Sewerage.

The new sewer and sewage disposal works commenced at King's Cliffe last year were not in operation at the close of the year, but it is hoped that they will be in use, and house connections in progress, during 1951.

Extensions to the main sewers were carried out at Thrapston, Ringstead and Great Addington, in conjunction with the development of housing estates.

Drainage for new housing estates at Chelveston, Duddington, and Easton-on-the-Hill, was provided by the construction of septic tanks in each village.

Public Cleansing.

Refuse collection is carried out at every parish in the rural district, and refuse is disposed of by means of controlled tipping at Islip, Nassington, Yarwell, Warmington, Easton-on-the-Hill, and King's Cliffe.

The intervals of refuse collection during 1950 were as shown in the following table :—

<i>Parish.</i>					<i>Interval of Collection.</i>
Thrapston ... ..	...	...	...	...	Weekly
Woodford ... ..	...	...	...	...	"
Aldwinckle ... ..	...	...	...	...	Fortnightly
Barnwell ... ..	...	...	...	...	"
Brigstock ... ..	...	...	...	...	"
Chelveston ... ..	...	...	...	...	"
Clapton ... ..	...	...	...	...	"
Collyweston ... ..	...	...	...	...	"
Denford ... ..	...	...	...	...	"
Duddington ... ..	...	...	...	...	"
Easton-on-the-Hill ... ..	...	...	...	...	"
Great Addington ... ..	...	...	...	...	"
Hargrave ... ..	...	...	...	...	"
Islip ... ..	...	...	...	...	"
King's Cliffe ... ..	...	...	...	...	"
Little Addington ... ..	...	...	...	...	"
Lowick ... ..	...	...	...	...	"
Ringstead ... ..	...	...	...	...	"
Slipton ... ..	...	...	...	...	"
Sudborough ... ..	...	...	...	...	"
Thorpe ... ..	...	...	...	...	"
Titchmarsh ... ..	...	...	...	...	"
Twywell ... ..	...	...	...	...	"
Achurch ... ..	...	...	...	...	Monthly
Apethorpe ... ..	...	...	...	...	"
Ashton ... ..	...	...	...	...	"
Benefield ... ..	...	...	...	...	"
Blatherwycke ... ..	...	...	...	...	"
Bulwick ... ..	...	...	...	...	"
Cotterstock ... ..	...	...	...	...	"
Deene ... ..	...	...	...	...	"
Deenethorpe ... ..	...	...	...	...	"
Fineshade ... ..	...	...	...	...	"
Fotheringhay ... ..	...	...	...	...	"
Glapthorn ... ..	...	...	...	...	"
Harringworth ... ..	...	...	...	...	"
Hemington ... ..	...	...	...	...	"
Laxton ... ..	...	...	...	...	"
Lilford-cum-Wigsthorpe ... ..	...	...	...	...	"
Luddington ... ..	...	...	...	...	"
Lutton ... ..	...	...	...	...	"
Nassington ... ..	...	...	...	...	"
Pilton ... ..	...	...	...	...	"
Polebrooke ... ..	...	...	...	...	"
Southwick ... ..	...	...	...	...	"
Stoke Doyle ... ..	...	...	...	...	"
Tansor ... ..	...	...	...	...	"
Thurning ... ..	...	...	...	...	"
Wadenhoe ... ..	...	...	...	...	"
Wakerley ... ..	...	...	...	...	"
Warmington ... ..	...	...	...	...	"
Woodnewton ... ..	...	...	...	...	"
Yarwell ... ..	...	...	...	...	"

Shops and Offices.

The Shops Act, 1950, came into operation on the 1st October, 1950, and consolidated previous legislation.

Sanitary Authorities are required to enforce the sections of the Act relating to ventilation, conveniences, temperature, lighting and washing facilities.

Camping Sites.

No area in the District is licensed as a site for camping purposes.

Six Licences authorising the use of moveable dwellings are in operation.

Swimming Baths.

There are no public swimming baths in this area.

Elementary Schools.

There are 36 schools in use in the district. Main water is available to 24 of these schools and 19 are connected to this supply.

A closet conversion scheme was completed at Twywell School. There is need for further improvement on these lines at other schools in the area.

Vermin Infestation.

During the year, 4 Council Houses were treated for the eradication of bed bugs.

The method adopted was by steam sterilisation of clothing and bedding, the use of "Gammexane Smoke" and the I.C.I. liquid spray L.044.

A permanent arrangement was entered into with Rushden Urban District Council, whereby any necessary steam sterilisation is carried out at their plant, on a re-chargeable basis.

SANITARY INSPECTION OF THE AREA.

SUMMARY OF VISITS AND INSPECTIONS.

Public Health Acts.

Water Supplies	...	...	...	...	424
Infectious Diseases	...	...	...	...	80
Workplaces	...	...	...	...	115
Cinemas and Public Buildings	...	...	...	...	7
Miscellaneous Premises	...	...	...	...	346

Shop Acts.

Shops Act, 1950	23
-----------------	-----	-----	-----	-----	----

Factories Act, 1937.

There are seven factories in the District which employ outworkers. The types of outwork undertaken are clothing and stuffed toys. The numbers of outworkers are as follows :—

Wearing Apparel	...	...	...	...	101
Stuffed Toys	...	...	...	...	26

Factories Act, 1937.

1.—Inspections for purposes of provisions as to health (made by Sanitary Inspectors).

<i>Premises.</i> (1)	<i>Number on Register</i> (3)	<i>Number of</i>		
		<i>Inspections</i> (4)	<i>Written notices</i> (5)	<i>Occupiers prosecuted</i> (6)
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities ...	10	33	3	
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority ...	68	47	4	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority ...	—	—	—	—
TOTAL ...	78	80	7	—

2.—Cases in which Defects were found.

Particulars.	Number of cases in which defects were found.				Number of cases in which prosecutions were instituted.
	Found.	Remedied.	Referred To H.M. Inspector.	By H.M. Inspector.	
(1)	(3)	(4)	(5)	(6)	(7)
Want of cleanliness (S.1)	4	4	—	—	—
Overcrowding (S.2) ...	—	—	—	—	—
Unreasonable temp.(S.3)	1	1	—	—	—
Inadequate ventilation (S.4)	—	—	—	—	—
Ineffective drainage of floors (S.6) ...	—	—	—	—	—
Sanitary Conveniences (S.7)					
(a) Insufficient ...	3	2	—	—	—
(b) Unsuitable or defective ...	9	6	—	—	—
(c) Not separate for sexes ...	—	—	—	—	—
Other offences against the Act (not including offences relating to Outwork)	—	—	2	—	—
TOTAL	17	13	2	—	—

SECTION D. HOUSING.

At the end of the year, the number of applicants for housing accommodation was 611. Of this total, 256 were non-householders.

The total number of post-war houses built by the Council is 228. At the end of the year, 73 were also under construction. In addition, 51 private houses have been built.

The repair of old property has been necessarily confined to work of an urgent nature. The disparity between low rents and high cost of repairs is causing an increase in the number of unfit houses.

No large scale reconditioning of property has yet been commenced, and the condition of very many cottages gives cause for concern.

Closet conversion schemes were carried out at a row of eight cottages in Islip, and two rows of five and six cottages respectively in Brigstock.

With the considerable work now being carried out by the Council in extending main water supplies, the necessity for adequate sewage disposal inevitably arises.

At Thorpe Achurch, a private sewage disposal scheme is under construction for the whole of the property, resulting in improved housing amenities. It is hoped to extend such improvements wherever possible.

The following is a summary of housing work carried out during the year :—

1. Inspection of Dwelling-houses during the year.		
1. (a)	Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	326
(b)	Number of inspections made for the purpose	640
2. (a)	Number of dwelling-houses (included under sub-head 1 above) which were inspected and recorded under the Housing Consolidated Regulations, 1925/32	265
(b)	Number of inspections made for the purpose	323
3.	Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	[1948 Report)
4.	Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation... ..	
2. Remedy of Defects during the year without service of formal notices.		
	Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	134
3. Action under Statutory Powers during the year.		
A. Proceedings under sections 9, 10 and 16 of the Housing Act, 1936 :—		
1.	Number of dwelling-houses in respect of which notices were served requiring repairs	—
2.	Number of dwelling-houses which were rendered fit after service of formal notices :—	
(a)	By owners	—
(b)	By local authority in default of owners	—
B. Proceedings under Public Health Acts :—		
1.	Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	4
2.	Number of dwelling-houses in which defects were remedied after service of formal notices :—	
(a)	By owners	4
(b)	By local authority in default of owners	—
C. Proceedings under sections 11 and 13 of the Housing Act, 1936 :—		
1.	Number of dwelling-houses in respect of which demolition orders were made, or an undertaking accepted	—
2.	Number of dwelling-houses demolished in pursuance of demolition orders	—
D. Proceedings under Section 12 of the Housing Act, 1936 :—		
1.	Number of separate tenement or underground rooms in respect of which closing orders were made	—
2.	Number of separate tenements or underground rooms in respect of which closing orders were determined, the tenement or room having been rendered fit	—
4. Housing Act, 1936—Overcrowding.		
No detailed overcrowding survey was carried out during the year.		

SECTION E.

INSPECTION AND SUPERVISION OF FOOD.

Food and Drugs Act, 1938.

Improvements to food preparing premises have been confined mainly to the provision and improvement of washing facilities. Structural alterations are also necessary in several instances, and will be enforced as circumstances permit.

Milk Supply.

Under the Food and Drugs Acts, the duties of the Council for the control of milk supplies commence, in general, when milk has left the farm gate. The Council enforces the Milk and Dairies Regulations, 1949, in respect of milk retailers who are not producers.

There are 6 distributors registered by the Council and 75 producer-retailers registered by the Ministry of Agriculture.

In addition, 5 licences under the Milk (Special Designation) Regulations have been issued for the sale within the district of Tuberculin Tested Milk and Pasteurised Milk heat treated at Dunchurch, Kettering, Peterborough and Wellingborough respectively.

No milk pasteurisation plants operate in this Rural Area.

Examination of Milk.

Samples of milk taken from retailers during delivery have been submitted at regular intervals to the Public Health Laboratory for bacteriological examination, with the following results:—

<i>Type of Milk.</i>	<i>Number of Samples.</i>	<i>Results.</i>	
		<i>Satisfactory.</i>	<i>Unsatisfactory.</i>
Raw... ..	26	25	1
Pasteurised...	8	4	4

Further sampling was carried out in the case of adverse reports. Four milk samples were submitted to the laboratory for biological examination. All were negative.

Meat Inspection.

All animals intended for sale for food in this area are slaughtered at the Rushden, Kettering, or Peterborough Abattoirs. All such meat is inspected by the Sanitary Officers in these respective Districts. No unsound carcase meat has been offered for sale in this Area.

During the year, 1,284 pigs were slaughtered under the Ministry of Food Self-supplier Scheme.

By arrangement with the Ministry, notification is given of licences issued under this Scheme, which is for the slaughter of pigs intended for home consumption.

Ice-cream.

At the end of the year, two premises were registered under the Food and Drugs Act for the manufacture of ice-cream by the complete cold-mix method, and 28 for the storage and sale of ice-cream.

The provisions of the Ice-cream (Heat Treatment) Regulations, 1947, were complied with in all cases.

All bacteriological examinations of this food are carried out at the Public Health Laboratory, Northampton.

Preserved Foods.

The number of premises registered by the Council for the preparation or manufacture of preserved foods is 19.

Food Adulteration.

Duties in connection with the sampling of food and drugs for analysis as to composition are carried out by the County Council.

Two samples, one of milk, and one of cheese, were forwarded to the Public Analyst for examination in connection with Food and Drugs Act enquiries. The reports on both samples were satisfactory.

Food Poisoning.

There were no cases of Food Poisoning notified during the year.

Food and Drugs Act Inspections.

Dairies	...	...	...	...	...	89
Slaughterhouses		...	...	...	...	23
Bakehouses	...	...	...	...	...	25
Food Preparing Places		...	...	...	...	92
Ice-cream Premises	...	...	...	...	...	39
Miscellaneous	...	...	...	...	...	104

Byelaws.

In January, 1950, the Council adopted Byelaws under Section 15 of the Food and Drugs Act, 1938, for securing sanitary and cleanly conditions and practices in connection with the handling and distribution of food.

These Byelaws were confirmed by the Minister of Food in May, 1950, and came into operation on the 3rd July, 1950.

Unsound Food.

Traders throughout the area are only too anxious to ensure the sale of sound food under good conditions, and readily avail themselves of advice in connection with suspected foodstuffs.

This co-operation has resulted in the voluntary surrender of any food unfit for human consumption, and no statutory proceedings under the Food and Drugs Act have been required to be taken.

The following unsound foodstuffs were surrendered and destroyed :—

Meat (tinned or preserved)	...	...	...	16½ lbs.
Tinned Milk	...	...	...	85 Pints.
Tinned Foods	...	...	...	38 lbs.

SECTION F.

PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASES.

Diphtheria.

No cases were notified. This is the fourth successive year when no cases have occurred in the district.

Scarlet Fever.

There were 13 cases during the year as compared with 8 for the previous year.

Measles.

There were 189 cases notified during 1950, compared with 16 in 1949.

Whooping Cough.

The number of notified cases was 65 as compared with 83 in 1949.

Dysentery.

No cases were notified.

Food Poisoning.

No cases were notified.

Poliomyelitis.

There were seven cases in the district during the year. Details of these cases are as follows :—

Date	Parish	Sex	Age	Remarks
August ...	King's Cliffe ...	F. ...	1 yr. ...	Paralytic
„ ...	King's Cliffe ...	M. ...	1½ yrs ...	Paralytic
„ ...	Easton-on-the-Hill ...	F. ...	2½ yrs ...	Paralytic
September ...	King's Cliffe ...	M. ...	3 yrs....	Paralytic
„ ...	Duddington ...	F. ...	6 yrs....	Paralytic
October ...	Duddington ...	M. ...	6 yrs....	Paralytic
„ ...	Duddington ...	M. ...	7 mths.	Paralytic

The child who died was a visitor to the district, and died in Peterborough Isolation Hospital. This death was thus an outward transfer. It is believed that all the others recovered without residual paralysis.

NOTIFICATIONS.

The following tables indicate the nature of the various diseases notified, and the parishes of origin :—

	Measles	Pneumonia	Scarlet Fever	Ophthalmia Neonatorum	Whooping Cough (Pertussis)	Poliomyelitis	Erysipelas	Cerebro Spinal Meningitis	TOTAL.
Aldwincle ...	—	—	—	—	—	—	—	—	—
Apethorpe ...	—	—	—	—	—	—	—	—	—
Ashton ...	—	—	—	—	—	—	—	—	—
Barnwell ...	1	—	—	—	—	—	—	—	1
Benefield... ..	1	—	—	—	—	—	—	—	1
Blatherwycke ...	—	—	—	—	—	—	—	—	—
Brigstock ...	3	—	—	—	—	—	—	—	3
Bulwick ...	4	—	—	—	2	—	—	—	6
Chelveston ...	1	—	4	—	—	—	—	—	5
Clapton ...	—	—	—	—	1	—	—	—	1
Collyweston ...	10	1	1	—	6	—	—	—	18
Cotterstock ...	—	—	—	—	—	—	—	—	—
Deene ...	—	—	—	—	—	—	—	—	—
Deenethorpe ...	—	—	—	—	—	—	—	—	—
Denford ...	5	—	—	—	7	—	—	—	12
Duddington ...	2	1	—	—	1	3	—	—	7
Easton-on-the-Hill ...	84	1	1	—	11	1	—	—	98
Fineshade ...	—	—	—	—	—	—	—	—	—
Fotheringhay ...	1	—	—	—	—	—	—	—	1
Glapthorn ...	5	—	—	—	6	—	—	—	11
Great Addington ...	1	—	—	—	—	—	—	—	1
Hargrave ...	3	—	—	—	3	—	—	—	6
Harringworth ...	1	—	—	—	—	—	—	—	1
Hemington ...	—	—	—	—	—	—	—	—	—
Islip ...	17	—	—	—	—	—	1	—	18
King's Cliffe ...	4	—	1	—	—	3	—	—	8
Laxton ...	1	1	1	—	—	—	—	—	3
Lilford-cum-Wigthorpe ...	—	—	—	—	8	—	—	—	8
Little Addington ...	4	—	—	—	2	—	—	—	6
Lowick ...	2	—	1	—	—	—	—	—	3
Luddington ...	1	—	—	—	—	—	—	—	1
Lutton ...	5	—	—	1	—	—	—	—	6
Nassington ...	1	—	—	—	—	—	—	—	1
Pilton ...	—	—	—	—	—	—	—	—	—
Polebrook ...	2	—	—	—	—	—	—	—	2
Ringstead ...	2	2	—	—	11	—	—	—	15
Southwick ...	4	—	—	—	1	—	—	—	5
Stoke Doyle ...	—	—	—	—	—	—	—	—	—
Sudborough ...	2	—	1	—	—	—	—	—	3
Tansor ...	1	—	—	—	—	—	—	—	1
Thorpe Achurch ...	—	2	—	—	4	—	—	—	6
Thrapston ...	2	—	1	—	1	—	—	—	4
Thurning ...	3	—	—	—	—	—	—	—	3
Titchmarsh ...	1	4	1	—	—	—	—	—	6
Twywell ...	8	1	—	—	—	—	1	—	10
Wadenhoe ...	—	—	—	—	—	—	—	—	—
Wakerley ...	—	—	—	—	—	—	—	—	—
Warmington ...	—	—	—	—	—	—	—	—	—
Woodford ...	6	2	—	—	—	—	—	—	8
Woodnewton ...	—	—	1	—	—	—	—	—	1
Yarwell ...	1	—	—	—	1	—	—	—	2
TOTALS ...	189	15	13	1	65	7	2	—	292

MONTHLY INCIDENCE OF NOTIFIABLE DISEASES.

Month.	Measles.	Whooping Cough.	Scarlet Fever.	Pneumonia	Ophthalmia Neonatorum	Poliomyelitis.	Erysipelas.	Cerebro Spinal Meningitis.	Total
January ...	1	—	—	5	—	—	—	—	6
February	3	2	—	1	—	—	1	—	8
March ...	33	14	1	3	1	—	—	—	51
April ...	65	4	2	1	—	—	1	—	73
May ...	48	12	1	2	—	—	—	—	63
June ...	22	4	1	1	—	—	—	—	28
July ...	12	—	—	—	—	—	—	—	12
August ...	4	1	2	1	—	3	—	—	11
September	—	4	1	—	—	2	—	—	7
October ...	1	9	4	—	—	2	—	—	16
November	—	8	1	—	—	—	—	—	9
December	—	7	—	1	—	—	—	—	8
TOTAL ...	189	65	13	15	1	7	2	—	292

The Registered Causes of Death were —

	Male.	Female.	Total.
1. Tuberculosis, respiratory ...	4	—	4
2. Tuberculosis, other ...	3	—	3
3. Syphilitic Diseases ...	—	—	—
4. Diphtheria ...	—	—	—
5. Whooping Cough ...	—	—	—
6. Meningococcal Infections ...	—	—	—
7. Acute Poliomyelitis ...	—	—	—
8. Measles ...	—	—	—
9. Other infective and parasitic diseases ...	1	—	1
10. Malignant Neoplasm, stomach ...	1	1	2
11. Malignant Neoplasm, lung, bronchus ...	2	1	3
12. Malignant Neoplasm, breast ...	—	3	3
13. Malignant Neoplasm, uterus ...	—	—	—
14. Other malignant and lymphatic neoplasms ...	11	8	19
15. Leukaemia, aleukaemia ...	2	—	2
16. Diabetes ...	—	1	1
17. Vascular Lesions of nervous system ...	13	16	29
18. Coronary Disease, angina ...	14	5	19
19. Hypertension with heart disease ...	1	4	5
20. Other Heart Diseases ...	16	22	38
21. Other Circulatory Diseases ...	2	1	3
22. Influenza ...	—	—	—
23. Pneumonia ...	5	3	8
24. Bronchitis ...	10	6	16
25. Other Diseases of Respiratory System ...	1	2	3
26. Ulcer of Stomach and Duodenum ...	2	—	2
27. Gastritis, Enteritis and Diarrhoea ...	2	—	2
28. Nephritis and Nephrosis ...	2	1	3
29. Hyperplasia of Prostate ...	8	—	8
30. Pregnancy, Childbirth, Abortion ...	—	1	1
31. Congenital Malformations ...	—	1	1
32. Other Defined and Ill-defined Diseases ...	17	28	45
33. Motor Vehicle Accidents ...	—	1	1
34. All Other Accidents ...	3	3	6
35. Suicide ...	1	—	1
36. Homicide and Operations of War ...	—	—	—
	121	108	229

I.

DIPHTHERIA IMMUNISATION.

ANNUAL RETURN FOR YEAR ENDED 31st DECEMBER, 1950.

Welfare Authority : Northants. County Council.

Number of Children who had completed a full course of Immunisation at any time up to 31st December, 1950.

Age at 31.12.50	Under 1	1	2	3	4	5-9	10-14	Total under 15
Number Immunised	9	268	220	268	218	1112	1296	3331
Children under five.						Children 5-14		
Estimated mid-year child population, 1950	1647					2704		

II. DIPHTHERIA NOTIFICATIONS AND DEATHS IN RELATION TO IMMUNISATION.

Deaths are those finally registered in the Authority's Area after allowing for inward and outward transfers.

Notifications.			Deaths.		
Age at Date of Notification	Number of cases Notified	Number of cases included in preceding column in which the child had completed a full course of immunisation.	Age at date of Death.	Number Notified	Number of cases included in preceding column in which the child had completed a full course of immunisation.
Under 1	0	—		0	—
2	0	—		0	—
3	0	—		0	—
4	0	—		0	—
5 to 9	0	—		0	—
10 to 14	0	—		0	—
Total	0	—	Total	0	—

NEW CASES OF TUBERCULOSIS, 1950.
(Including inward transfers.)

<i>Age Groups</i>	<i>Respiratory</i>		<i>Non-Respiratory</i>	
	<i>M.</i>	<i>F.</i>	<i>M.</i>	<i>F.</i>
— 1	—	—	—	—
— 5	1	—	—	—
—15	—	—	1	1
—25	1	3	—	—
—35	4	3	—	—
—45	—	3	—	2
—55	3	—	—	—
—65	1	—	1	—
65+	—	—	1	—
TOTALS ...	10	9	3	3

COMPARATIVE TABLE OF TUBERCULOSIS CASES.
TOTAL NUMBER OF CASES ON THE REGISTER.

<i>Year ended 31st December</i>	<i>Pulmonary</i>	<i>Non-Pulmonary</i>	<i>Total</i>
1947 ...	64	32	96
1948	67	34	101
1949	75	38	113
1950 ...	78	40	118

**NUMBER OF CASES OF TUBERCULOSIS ON THE
REGISTER, DECEMBER 31st, 1950.**

<i>Pulmonary</i>			<i>Non-Pulmonary</i>		
<i>Male</i>	<i>Female</i>	<i>Total</i>	<i>Male</i>	<i>Female</i>	<i>Total</i>
40	38	78	13	27	40

